Physiological Genomics

Editor-in-Chief: BINA JOE

Associate Editors:
HILARY COLLER
MICHAEL R. GARRETT
JUSTIN GROBE
LAUREN GERARD KOCH
MARTIN McBRIDE
PATRICIA MUNROE
SANDOSH PADMANABHAN
LEAH SOLBERG WOODS
TIM WILTSHIRE
COLIN YOUNG

Consulting Editors:
ANDREW S. GREENE
MINGYU LIANG

Editorial Board:
AMY C. ARNOLD
EUAN ASHLEY
RADHA AYYAGARI
MARCAS M. BAMMAN
JATIN BURNISTON
SAMANTHA BUTLER
MICHAEL BUTTERWORTH
JONATHAN CAVANAUGH
FADI CHARCHAR
QIN M. CHEN
DAN CRONA
PANOS DELOUKAS
MARCEL DEN HOED
MICHELLE DIGMAN
PETER DORIS
YUMEI FENG
PATRICK FUEGER
DYLAN GLUBB
PERCIO GULKO
VICTOR GURYEV
DAN HERTZ
PAAVO HONKAKOSKI
MICHAEL HULTSTROM
MAJA JAGODIC
YALDA JAMSHIDI
ANDREW D. JOHNSON
MARTIN KENNEDY
TUOMAS OSKUARI KILPELÄINEN
DAVID KISOR
RON KORSTANJE
ERIC G. KRAUSE
ALISON KRIEGEL
KATE LAWRENSON
HEATHER LAWSON
ERIK LAZARTIGUES
JOHN MccARTHY
JOHN D. McClure
CRISTINA MENNI
BORBALA MISUD
MANI MUDALIAR
SWAPAN NATH
MIKKO NIEMI
KAILASH N. PANDEY
FRANK PARK
BRIAN PARKS
BOGDAN PASANIUCL
MINOLI PERRERA
TUOMO RANKINEN
R. SCOTT RECTOR
RICHARD ROMAN
UTE I. SCHOLL
ANDREW J. P. SMITH
PERNILLA STRIDH
YASUHARU TABARA
JOHN THYFAULT
ANDREW TINKER
GEORGE TRACHTTE
ANA M. VALDES
RICHARD D. WAINFORD
ULRIK WISLOFF
ROY WOLLMAN
ALEXANDER ZAMBI
JUDITH ZAUGG
JASENKA ZUBCEVIC

Publications Committee
C. D. SIGMUND, Chair
C. E. CARR
D. ELLISON
A. S. GREENE
P. A. INSEL
L. K. ROGERS
L. WOLD
Ex officio
J. F. RECKELHOFF, APS President
D. BROWN, President-Elect
P. E. MOLINA, Past President
M. FRANK, Executive Director
R. SCHEMAN,
Director of Publications
and Executive Editor

A. E. COX
Editorial Manager
P. CHOE
Journal Copy Editor

Physiological Genomics (ISSN-1094-8341) is published by the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991. Physiological Genomics is published online at http://physiolgenomics.physiology.org (ISSN-1531-2267). Subscription Prices: Institutions (online only): $285. APS members: online is free. Subscriptions from outside the United States are payable in US currency or full equivalent. Subscriptions are accepted on a calendar-year basis only. Print back issues through 10/2010: Subscriber, $65 each; Nonsubscribers, $130 each. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMAS-TER: Send address changes to Physiological Genomics, 9650 Rockville Pike, Bethesda, MD 20814-3991.

Physiological Genomics® is a registered trademark of the American Physiological Society. Copyright © 2017 by the American Physiological Society. Printed in the United States of America by Cadmus Communications—Lancaster Division, Lancaster, PA 17601. The code at the bottom of the first page of an article indicates the copyright owner’s consent that copies of that article may be made beyond that permitted by sections 107 and 108 of the US Copyright Law—unless the copies are for general distribution, for advertising, for creating new works, or for resale—provided the per-copy fee is paid through the Copyright Clearance Center, Inc., 222 Rosewood Dr., Danvers, MA 01923.

Disclaimer: The statements and opinions contained in the articles of Physiological Genomics are solely those of the individual authors and contributors and not of the American Physiological Society. The appearance of advertisements in the journal is not a warranty, endorsement, or approval of the products or their safety. The American Physiological Society disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in any article or advertisement.